Serial Number: ___09/768,917A___

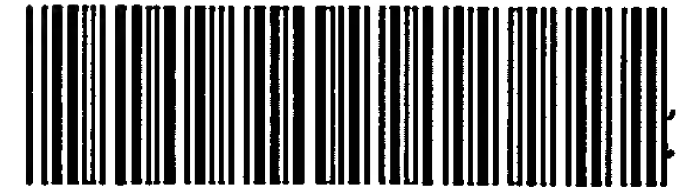CRF Processing Dat : ___7/10/02___
Edited by: ___DC___
Verified by: ___

RECEIVED

JUL 2 3 2002

ENTERED TECH CENTER 1600/2900

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically: _____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included: _____

☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically: _____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically: _____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____

_____

_____

_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PaperNo.13
7/24/02 RMD

```
          RAW SEQUENCE LISTING                DATE: 07/10/2002
          PATENT APPLICATION:  US/09/768,917A    TIME: 13:02:59

                 Input Set : A:\PTO.DC.txt
                 Output Set: N:\CRF3\07102002\I768917A.raw


       3 <110> APPLICANT: Vicari, Alain P.
       4        Caux, Christophe
       5        LaFace, Drake
       7 <120> TITLE OF INVENTION: Chemokines as Adjuvants of Immune Response
       9 <130> FILE REFERENCE: SF0896K US
      11 <140> CURRENT APPLICATION NUMBER: US 09/768,917A
C-->  12 <141> CURRENT FILING DATE: 2002-06-13
      14 <150> PRIOR APPLICATION NUMBER: EP 0 974 357
      15 <151> PRIOR FILING DATE: 1998-07-16
      17 <160> NUMBER OF SEQ ID NOS: 12
      19 <170> SOFTWARE: PatentIn Ver. 2.1
      21 <210> SEQ ID NO: 1
      22 <211> LENGTH: 22
      23 <212> TYPE: DNA
      24 <213> ORGANISM: Artificial Sequence
      26 <220> FEATURE:
      27 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      29 <400> SEQUENCE: 1
      30 atttcagcga tgttttcgac tc                              22
      33 <210> SEQ ID NO: 2
      34 <211> LENGTH: 21
      35 <212> TYPE: DNA
      36 <213> ORGANISM: Artificial Sequence
      38 <220> FEATURE:
      39 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      41 <400> SEQUENCE: 2
      42 ggagaagcct gaggacttgt a                               21
      45 <210> SEQ ID NO: 3
      46 <211> LENGTH: 21
      47 <212> TYPE: DNA
      48 <213> ORGANISM: Artificial Sequence
      50 <220> FEATURE:
      51 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      53 <400> SEQUENCE: 3
      54 gattacatcg gagacaacac c                               21
      57 <210> SEQ ID NO: 4
      58 <211> LENGTH: 20
      59 <212> TYPE: DNA
      60 <213> ORGANISM: Artificial Sequence
      62 <220> FEATURE:
      63 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
      65 <400> SEQUENCE: 4
      66 tagtccaggc agaagagtcg                                 20
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RAW SEQUENCE LISTING   DATE: 07/10/2002
PATENT APPLICATION: US/09/768,917A   TIME: 13:02:59

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\07102002\I768917A.raw

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71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
77 <400> SEQUENCE: 5
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81 <210> SEQ ID NO: 6
82 <211> LENGTH: 20
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
89 <400> SEQUENCE: 6
90 agaggagcag cagtgagcaa                                      20
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 18
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
101 <400> SEQUENCE: 7
102 ttgctcctgg ctgctttg                                       18
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106 <211> LENGTH: 19
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
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113 <400> SEQUENCE: 8
114 accctccatg atgtgcaag                                      19
117 <210> SEQ ID NO: 9
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125 <400> SEQUENCE: 9
126 ctgctggttc tctggacttc                                     20
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
137 <400> SEQUENCE: 10
138 cacactcaca ctcacacaca c                                   21
141 <210> SEQ ID NO: 11
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143 <211> LENGTH: 297
145 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
151 <220> FEATURE:
153 <221> NAME/KEY: CDS
155 <222> LOCATION: (1)..(297)
157 <223> OTHER INFORMATION:
161 <400> SEQUENCE: 11
162 atg aaa gtc tct gca gtg ctt ctg tgc ctg ctg ctc atg aca gca gct          48
163 Met Lys Val Ser Ala Val Leu Leu Cys Leu Leu Leu Met Thr Ala Ala
164 1               5                   10                  15
166 ttc aac ccc cag gga ctt gct cag cca gat gca ctc aac gtc cca tct          96
167 Phe Asn Pro Gln Gly Leu Ala Gln Pro Asp Ala Leu Asn Val Pro Ser
168             20                  25                  30
170 act tgc tgc ttc aca ttt agc agt aag aag atc tcc ttg cag agg ctg         144
171 Thr Cys Cys Phe Thr Phe Ser Ser Lys Lys Ile Ser Leu Gln Arg Leu
172         35                  40                  45
174 aag agc tat gtg atc acc acc agc agg tgt ccc cag aag gct gtc atc         192
175 Lys Ser Tyr Val Ile Thr Thr Ser Arg Cys Pro Gln Lys Ala Val Ile
176     50                  55                  60
178 ttc aga acc aaa ctg ggc aag gag atc tgt gct gac cca aag gag aag         240
179 Phe Arg Thr Lys Leu Gly Lys Glu Ile Cys Ala Asp Pro Lys Glu Lys
180 65                  70                  75                  80
182 tgg gtc cag aat tat atg aaa cac ctg ggc cgg aaa gct cac acc ctg         288
183 Trp Val Gln Asn Tyr Met Lys His Leu Gly Arg Lys Ala His Thr Leu
184                 85                  90                  95
186 aag act tga                                                             297
187 Lys Thr
191 <210> SEQ ID NO: 12
193 <211> LENGTH: 98
195 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens
201 <400> SEQUENCE: 12
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204 1               5                   10                  15
207 Phe Asn Pro Gln Gly Leu Ala Gln Pro Asp Ala Leu Asn Val Pro Ser
208             20                  25                  30
211 Thr Cys Cys Phe Thr Phe Ser Ser Lys Lys Ile Ser Leu Gln Arg Leu
212         35                  40                  45
215 Lys Ser Tyr Val Ile Thr Thr Ser Arg Cys Pro Gln Lys Ala Val Ile
216     50                  55                  60
219 Phe Arg Thr Lys Leu Gly Lys Glu Ile Cys Ala Asp Pro Lys Glu Lys
220 65                  70                  75                  80
223 Trp Val Gln Asn Tyr Met Lys His Leu Gly Arg Lys Ala His Thr Leu
224                 85                  90                  95
227 Lys Thr
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VERIFICATION SUMMARY                    DATE: 07/10/2002
PATENT APPLICATION:  US/09/768,917A     TIME: 13:03:00

        Input Set : A:\PTO.DC.txt
        Output Set: N:\CRF3\07102002\I768917A.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 07/02/2002
PATENT APPLICATION: US/09/768,917A   TIME: 12:57:53

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\07022002\I768917A.raw

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   3 <110> APPLICANT: Vicari, Alain P.
   4         Caux, Christophe
   5         LaFace, Drake
   7 <120> TITLE OF INVENTION: Chemokines as Adjuvants of Immune Response
   9 <130> FILE REFERENCE: SF0896K US
  11 <140> CURRENT APPLICATION NUMBER: US 09/768,917A
C--> 12 <141> CURRENT FILING DATE: 2002-06-13
  14 <150> PRIOR APPLICATION NUMBER: EP 0 974 357
  15 <151> PRIOR FILING DATE: 1998-07-16
  17 <160> NUMBER OF SEQ ID NOS: 12
  19 <170> SOFTWARE: PatentIn Ver. 2.1
```

ERRORED SEQUENCES

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 191 <210> SEQ ID NO: 12
 193 <211> LENGTH: 98
 195 <212> TYPE: PRT
 197 <213> ORGANISM: Homo sapiens
 201 <400> SEQUENCE: 12
 203 Met Lys Val Ser Ala Val Leu Leu Cys Leu Leu Leu Met Thr Ala Ala
 204 1               5                  10              15
 207 Phe Asn Pro Gln Gly Leu Ala Gln Pro Asp Ala Leu Asn Val Pro Ser
 208             20                  25              30
 211 Thr Cys Cys Phe Thr Phe Ser Ser Lys Lys Ile Ser Leu Gln Arg Leu
 212         35                  40              45
 215 Lys Ser Tyr Val Ile Thr Thr Ser Arg Cys Pro Gln Lys Ala Val Ile
 216     50                  55                  60
 219 Phe Arg Thr Lys Leu Gly Lys Glu Ile Cys Ala Asp Pro Lys Glu Lys
 220 65                  70                  75                  80
 223 Trp Val Gln Asn Tyr Met Lys His Leu Gly Arg Lys Ala His Thr Leu
 224                 85                  90                  95
 227 Lys Thr
E--> 236 (1) delete
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VERIFICATION SUMMARY   DATE: 07/02/2002
PATENT APPLICATION: US/09/768,917A   TIME: 12:57:54

Input Set : **A:\pto.vsk.txt**
Output Set: **N:\CRF3\07022002\I768917A.raw**

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:236 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12